AY: 2021-22

WORKSHOPS:

A Report on One Week Workshop On "Product Design & Drafting by CATIA"

The Department of Mechanical Engineering organized a one week workshop on "Product Design & Drafting by CATIA" with the support of Andhra Pradesh State Skill Development Corporation (APSSDC) from 15-11-2021 to 20-11-2021 in Geethanjali Institute of Science and Technology.

The inaugural session preceded by the Head of The Mechanical Engineering Department Dr.T.Sunil Kumar, addressed gathering by IICC Head, Dr.P.Chakrapani and the importance of the workshop by Principal of GIST, Dr.G.Subba Rao.

The main objective of this workshop is to create great learning platform for students of IV year regarding design of the products by using software tool (CATIA) to enhance their knowledge while creating 3D models.

Alapati Tejoamareswar and D.Rambabu are the trainers from APSSDC, explained each and every concept related to product design & drafting by CATIA.

Mrs.G.Nilima supervised the proceedings of the event.









VOLUME: 2





VISION

To evolve as a prospective learning centre for producing quality human resources

MISSION

- Impart Technical knowledge through effective teaching-learning practices.
- Provide congenial academic environment for honing technical skills.
- Develop professional and entrepreneurial skills through collaborations.
- Promote leadership skills along with social and ethical values.

PROGRAM SPECIFICOUTCOMES (PSOs)

PSO1: Utilize the knowledge of materials and manufacturing principles to plan, design and monitor the production operations of an Industry.

PSO2: Employ the governing laws of Thermodynamics, Heat transfer and Refrigeration & Air Conditioning to design and develop Thermo Fluid systems

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- Analyze Mechanical Engineering problems and provide sustainable solutions.
- Pursue successful professional career in industry, academia or research.
- Engage in continuous learning to keep abreast of emerging technologies with the sense of professional ethics.
- Contribute in multi-disciplinary teams through effective inter personal skills.

AY: 2021-22

FACULTY ACHIEVEMENT:

WORK SHOP /FDP ATTENDED:

- Dr.Ch.Sreenivasa Rao Attended a FDP on New Age Materials & Technologies conducted by SVEC, Tirupati from 04/10/2021 to 08/10/2021.
- Mr.V. Ramu Attended a FDP on Master class on Python Programming conducted by GIST, Nellore from 28/02/2022 to 29/03/2022.
- Mr.V. Ramu Attended a online FDP on AI and ML for Intelligent Applications using Python and MATLAB conducted by ABESEC, Ghaziabad from 21/02/2022 to 25/02/2022.
- Mr.V. Ramu Attended STTP through ICT Mode on Introduction to Finite Element method in Engineering conducted by NITTR, Kolkata from 07/02/2022 to 18/02/2022.
- Mr.V.Ramu Attended a FDP on Transformation in Indian Education through New Education Policy-Challenges and Opportunities conducted by St.Aloysius College, Mangalore from 05/07/22 to 11/07/22.
- Mr SK.Rahamath Basha Attended a FDP on Inculcating Universal Human Values in technical Education conducted by AICTE, New Delhi from 12/07/2022 to 16/07/2023.
- Mr Y.Murali Krishna Attended a FDP on Volunteer evolution framework designed to foster social responsibility and community engagement in students conducted by India Welfare Trust, Bengaluru from 23/06/2022 to 25/06/2022.
- Mr. V.Naresh Babu Attended a FDP on Recent Advancement in Manufacturing Processing conducted by VSSUT, Orissa from 27/12/2021 to 31/12/2021.
- Mr. V.Naresh Babu Attended a FDP on Robotics and Automation conducted by GEC, Modasa from 20/12/2021 to 24/12/2021.
- Mr. V.Naresh Babu Attended a FDP on Fundamentals of Electric Vehicle Technology conducted by IIIT, Bhagalpur from 06/12/2021 to 10/12/2021.
- Mrs.G.Nilima Attended a FDP on Advanced Research Methodology&writing High Quality Research Papers conducted by SKIT, Jaipur from 24/08/21 to 28/08/21.
- Mrs.G.Nilima Attended Workshop on Product Design and Development conducted by HITAM, Medchal from 12/07/2021to 13/07/2021.
- Mrs.G.Nilima Attended a STTP on Innovations and Challenges in Industry 4.0 Automation and Smart Manufacturing conducted by KHIT, Guntur from 26/07/2021to 31/07/2021.
- Mrs.G.Nilima Attended a Online FDP on Mechatronics & MEMS conducted by NIT, Warangal from 05/07/2021to 09/07/2021.
- Mrs.G.Nilima Attended a STTP through ICT mode on Engineering Drawing using Software conducted by NITTR, Kolkata from 24/02/2022 to 28/02/2022.
- Mrs.G.Nilima Attended a STTP through ICT mode on Non Traditional Machining Processes conducted by NITTR, Kolkata from 07/02/2022 to 11/02/2022.

JOURNAL PUBLICATIONS:

- Ch. Sreenivasa Rao, associate professor published a paper in the journal "international journal of mechanical engineering" with the title "Modelling and Analysis of a Four into one Exhaust Manifold".
- M Mahendra babu, Associate Professor published a paper in the journal "International Journal of Mechanical Engineering" with the title "Experimental Investigation on Mechanical Properties of Basalt and Basalt-Core Reinforced Materials".
- M Mahendra babu, Associate Professor published a paper in the journal "International Journal of Mechanical Engineering" with the title "Experimental Investigation on Mechanical Properties of E-Glass core upon E-Glass Reinforced Material".
- V Ramu, Associate Professor published a paper in the journal "International Journal of Mechanical Engineering" with the title "Performance Evaluation Of Double Pipe Counter Flow Heat Exchanger".
- V Ramu, Associate Professor published a paper in the journal "International Journal of Mechanical Engineering" with the title "Design of Hydraulic Puller for Dismontry of Ring Granulator Rotor Coupling".
- Y Murali Krishna, Assistant professor published a paper in the journal "international journal of mechanical engineering" with the title "Modeling and Analysis of Hydrant Clutch".
- Y Murali Krishna, Assistant professor published a paper in the journal "international journal of mechanical engineering" with the title "Structural analysis of Four wheeled Petrol Engine Flywheel by using Aluminium alloy A360".
- SK.Rahamath Basha, Assistant professor published a paper in the journal "international journal of mechanical engineering" with the title "Efficiency enhancement of high pressure water tube boiler using Steam coil air preheater".
- Mr.K.R.Sreedhar, Assistant professor published a paper in the journal "international journal of mechanical engineering" with the title "Fabrication of Toggle clamp for locking reverse motion in foldable wheel chair by utilizing unused spares".
- Ms. G.Nilima, Assistant professor published a paper in the journal "international journal of mechanical engineering" with the title "Adopting of advanced Combustion Emission Reduction Technology for Reduction of Emissions and Fuel Consumption in Conventional Vehicles".
- ➤ E. Bhaskar, Assistant professor published a paper in the journal "international journal of mechanical engineering" with the title "CFD Analysis of RAE 2822 Supercritical Airfoil at Transonic Mach Speeds"
- V.Naresh Babu, Assistant professor published a paper in the journal "international journal of mechanical engineering" with the title "Development of Ultrasonic automatic braking system for forward collision avoidance with accelerator pedal disengagement mechanism".

Department of ME ISSUE: JULY - DEC

AY: 2021-22 VOLUME: 3

CONFERENCES ATTENDED:

Dr. T. Sunil Kumar, Professor, attended the NCRTIME 2K21 conference at Geethanjali Institute of Science and Technology, Nellore. He presented a paper titled "Thermal Analysis and Fabrication of TVS Fero Engine Block Rectangular Fins."

- Dr. Ch. Sreenivasa Rao, Professor, attended a national-level e-Conference on "Recent Advances in Technology & Engineering" at Vemu Institute of Technology, Chittoor. He presented a paper titled "Application of Evaporative Cooling on the Condenser of a Window Air Conditioner" from August 20-21, 2021."
- ➤ Dr Ch. Sreenivasa Rao, Professor, attended the NCRTIME 2K21 conference at Geethanjali Institute of Science and Technology, Nellore. He presented a paper titled "Heat transfer analysis of engine cylinder fins by varying cooling fluids."
- Mr.V,Ramu, Associate Professor, attended the NCRTIME 2K21 conference at Geethanjali Institute of Science and Technology, Nellore. He presented a paper titled "Structural and thermal analysis of a rotating blade of a gas turbine."
- Mr.Y. Murali Krishna, Assistant Professor, attended the NCRTIME 2K21 conference at Geethanjali Institute of Science and Technology, Nellore. He presented a paper titled "Design and analysis of drum brake shoe for a four wheel solar powered vehicle."
- Mr. K.R.Sreedhar, Assistant Professor, attended the NCRTIME 2K21 conference at Geethanjali Institute of Science and Technology, Nellore. He presented a paper titled "Design of light weight, low cost Prosthetic hand."
- Mr.SK. Rahamath Basha, Assistant Professor, attended the NCRTIME 2K21 conference at Geethanjali Institute of Science and Technology, Nellore. He presented a paper titled "Design and CFD analysis of steam generator."
- Mrs. G.Nilima, Assistant Professor, attended the NCRTIME 2K21 conference at Geethanjali Institute of Science and Technology, Nellore. He presented a paper titled "Dynamic analysis of chasis of solar powered vehicle."

STUDENTS ACHIEVEMENT:

EVENTS OR ACTIVITIES PRIZE WINNERS:

	S.No	Names of the prize winners
1.	CHESS	1.M.Rajesh
		2. T.Poorna chandu
		3. M.Mithilesh
2.	BALL BADMINTON	1.P.Ravindra Reddy
		2.Sk.Shareef
3.	KABBADI	1.Sk.Anees C
		2. M.Hari
		3. M.Rajesh
		4. K.Rohith
		5. K.DileepKumar
		6. M.Harsha Vardhan
		7. M.Nikhil Roy

ACADEMIC TOPPERS:

S.NO	ROLL NUMBERS	NAME OF THE STUDENTS	YEAR/SEM	SGPA
1	182U1A0309	C.SUDARSHAN	IV-I	8.50
2	182U1A0342	R.SANKAR	IV-II	9.32
		NARAYANA		
3	202U5A0319	SD.WAREES	III-I	8.00
4	202U5A0318	SK.RAHAMATHULLA	III-II	7.67
5	202U1A0305	G.SAI CHARAN	II-I	8.40
		REDDY		
6	212U5A0339	V. SAI SUMANTH	II-II	8.28

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Department of ME ISSUE: JULY - DEC